

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR2004/001856

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7 H04L 12/28

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

H04L 12/28, 12/56

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Korean Patents and applications for inventions since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 03/051078 A1 (QUALCOMM INC.) 19 June 2003 (19.06.03.) See the whole document	1
P, A	US 2004/0184471 A1 (LUCENT Technology INC.) 23 September 2004 (23.09.04.) See the whole document	1
A	US 2003/0099240 A1 (SAMSUNG ELECTRONICS CO, LTD.) 29 May 2003 (29.05.03.) See the whole document	1
P, A	KR 04-23443 A (SAMSUNG ELECTRONICS CO, LTD.) 18 March 2004 (18.03.04.) See the whole document	1

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

10 NOVEMBER 2004 (10.11.2004)

Date of mailing of the international search report

10 NOVEMBER 2004 (10.11.2004)

Name and mailing address of the ISA/KR

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

PCT/KR2004/001856

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 03/051078 A1	19.06.03.	US 2003103460 AA	05.06.03.
US 2004/0184471 A1	23.09.04.	EP 1460791 A2	22.09.04.
US 2003/0099240 A1	29.05.03.	KR 03-44116 A	09.06.03.
KR 04-23443 A	18.03.04.	None	